

# LFILE - Logical System File Definition

This Natural profile parameter is for:

- Mainframes
- UNIX and Windows

It specifies information concerning the physical file to be associated with any logical file for Software AG products.

## Mainframes

<b>Possible settings</b>	<i>logical-FNR</i>	Must be in the range from 1 to 251. This parameter is mandatory.
	<i>physical-DBID</i>	Must be in the range from 0 to 254, or 256 to 65535.
	<i>physical-FNR</i>	Must be in the range from 1 to 65535.
	<i>password</i>	Must be a setting of 1 to 8 characters.
	<i>cipher-key</i>	Must be a setting of 8 characters.
	<i>options</i>	Can be RO for read-only access.
<b>Default setting</b>	None	
<b>Dynamic specification</b>	YES	This parameter can only be specified dynamically. In the Natural parameter module NATPARM, the macro NTLFILE must be used instead. It replaces the old macro NTFILF for logical system file definition which is still available, but should not be used any longer.
<b>Specification within session</b>	NO	

This parameter can be used for Software AG products which have their own system files (for example, Con-nect, Natural Elite) to specify where such a system file is to be located. These products use database ID "255" and a logical file number (FNR) in their data definition modules (DDMs). With the LFILE parameter or the macro NTLFILE, you specify which physical database ID (DBID) and file number (and, if applicable, password and cipher key) are associated with that logical file number. Natural records the physical file information and uses it for any Adabas calls to DBID=255 , FNR=*logical-FNR*.

LFILE can also be used to define a so-called scratch-pad file with logical file number "212"; see also the profile parameter ROSY and refer to Natural Scratch-Pad File.

To define different logical files, the LFILE parameter or NTLFILE macro must be specified several times.

The following topics are covered below:

- LFILE Parameter Syntax
- NTLFILE Macro Syntax
- Old NTFILF Macro Syntax
- Example for LFILE Parameter
- Example of NTLFILE Macro

## LFILE Parameter Syntax

The LFILE parameter is specified as follows:

```
LFILE=(logical-FNR,physical-DBID,physical-FNR,password,cipher-key,RO)
```

## NTLFILE Macro Syntax

In contrast to the former NTFIL macro which has keyword subparameters, the NTLFILE macro has positional subparameters (like the LFILE parameter) and is specified as follows:

```
NTLFILE logical-FNR,physical-DBID,physical-FNR,password,cipher-key,RO)
```

## Old NTFIL Macro Syntax

For compatibility reasons, the old macro NTFIL is still supported. It is specified as follows:

```
NTFIL ID=logical-FNR,DBID=physical-DBID,FNR=physical-FNR,PASSW=password,  
CIPH=cipher-key,OPT=RO)
```

## Example for LFILE Parameter

```
LFILE=(180,73,10),LFILE=(251,40,9,TEST99)
```

## Example of NTLFILE Macro

Equivalent specification in the Natural parameter module:

```
NTLFILE 180,73,10NTLFILE 251,40,9,TEST99
```

## UNIX and Windows

<b>Possible settings</b>	see text	
<b>Default setting</b>	none	
<b>Dynamic specification</b>	YES	
<b>Specification within session</b>	NO	

LFILE can be used for Software AG products which have their own system files to specify where such a system file is to be located. Such products use database ID "255" and a logical file number (FNR) in their DDMs. With the LFILE parameter you specify which physical database ID (DBID), file number (FNR), password and cipher key are associated with this logical file number.

## Password and Cipher Key

Password and cipher key must be settings of 1 to 8 characters. They are only required if the file has been password-protected and/or ciphered using the Adabas security feature.

Since the Adabas security feature expects the password to be in uppercase, it must be specified in uppercase letters.

### **Note:**

With FNAT and FUSER, the password and the cipher key are reserved for future use; currently they are ignored.

The LFILE parameter is specified as follows:

```
LFILE=(logical-ID,DBID,FNR,password,cipher-key)
```

The logical ID must in the range from 1 to 251, the physical database ID must be in the range from 0 to 65535 (except 255), the physical file number must be in the range from 1 to 5000, the password and cipher key must be settings of 1 to 8 characters.

Natural records the physical file information and uses it for any Adabas calls to:

```
DBID=255 , FNR=logical-ID
```

The LFILE parameter can be specified several times so as to specify different logical files. Natural administrators can specify LFILE up to 255 times; other users can specify LFILE up to 8 times. A list of existing LFILE assignments is displayed in the "LFILE No" list box.